



Southeast Harris County Subregional Study



***Mike Burns, AICP
Mike Feeney, PE
Steering Committee Meeting 3 – 07/12/2021***

Regional Collaboration • Transportation Planning • Multimodal Mobility



Steering Committee - Meeting 3 Agenda

■ Agenda:

1. Introductions - **5 minutes**
2. Review Goals and Metrics – **5 minutes**
3. Phase 1 Public Comment Summary – **30 minutes**
4. Vehicle Traffic Count Summary – **15 minutes**
5. Steering Committee Comments – **25 minutes**
6. Next Steps – **10 minutes**

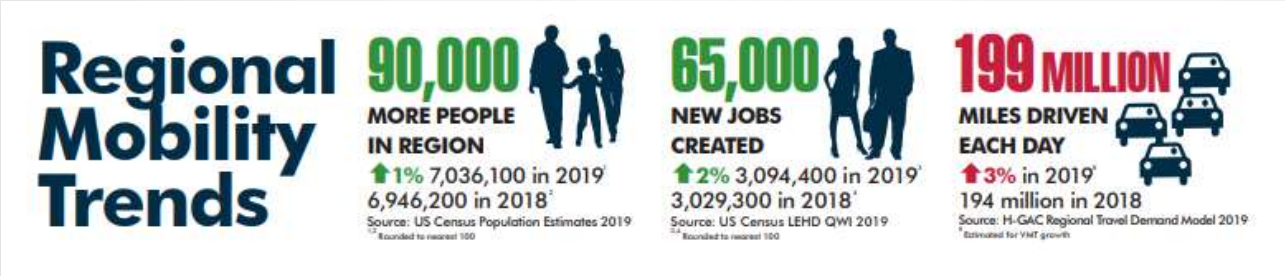


Introductions – Steering Committee

Representing	Name	Title
Port Houston	Bruce Mann	Director, Freight Mobility
Harris County	Bryan Brown	Senior Planner - Engineering Dept
Economic Alliance Houston Port Region	Chad Burke	President and CEO
City of Houston Public Works	Donald Buaku	Principal Planner
TXDOT	Jeffrey English	TxDOT
Gulf Coast Rail District	Katherine Parker	Executive Director
Harris County Transit	Ken Fickes	Director - Transit Services
Harris County Precinct 2	Milton Rahman	Director of Engineering
La Porte Police Dept	Sgt Bennie Boles	Police Sergeant
La Porte	Teresa Vazquez-Evans	Planning & Development Director
City of South Houston	Arthur Olivera	Street and Bridge
Deer Park	Adam Ballesteros	City Engineer
Pasadena	Sarah Benavides	Senior Assistant Director, Public Works
Harris County	Loyd Smith	ALTERNATE - Harris County
City of Houston Planning	Sharon Moses-Burnside	ALTERNATE - City of Houston

Vision – For Review

- Vision:
 - Recommend improvements to address multimodal transportation, development, and economic policy needs in the subregion that align with H-GAC’s goals of mobility, safety, economic competitiveness, transportation asset condition, and natural and cultural resources



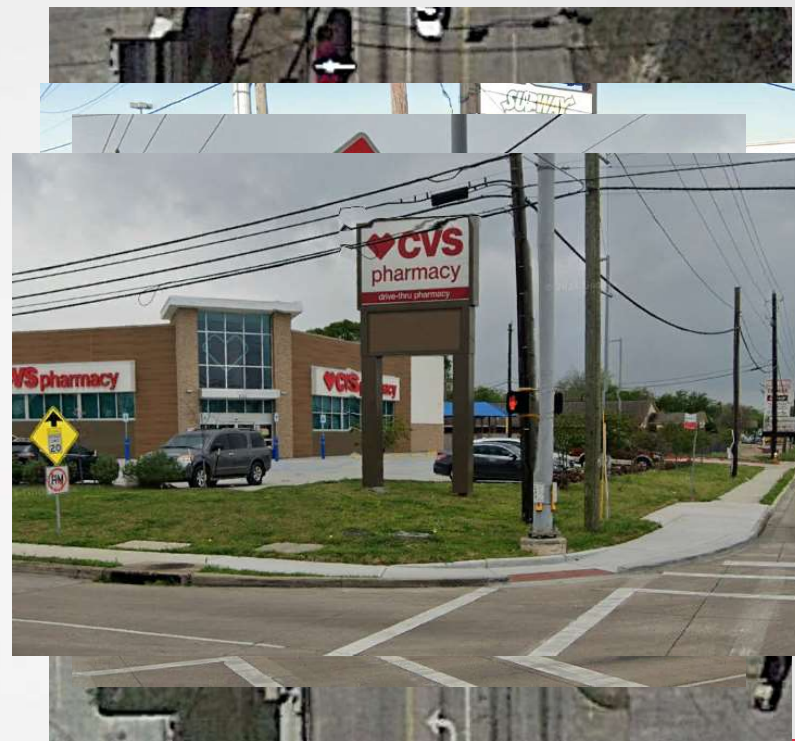
Measurable Goals

Goal	Description	Measures
Mobility	Expand and accommodate all roadway users by incorporating Complete Streets principles, as context-appropriate	Connectivity, gaps, cross section, multimodal
Mobility	Increase operational efficiency and reliability of major intersections and roadways	V/C, LOS, travel time
Safety	Improve safety on the Vision Zero high-injury network with a goal of zero fatalities	Predicted changes to crash rates, number of conflict points
Economic	Provide mobility options for residents and visitors	Connectivity, cross section, economic impact, broadband
Economic	Increase truck travel time reliability on the regional freight network	Travel time, delay, stops
Maintenance	Achieve a state of good repair for transportation assets	Pavement section & condition, funding, policy
Maintenance	Improve transportation asset resiliency and stormwater capacity	Pavement section, cross section, truck routes, best practices
Natural / Cultural Resources	Reduce transportation emissions	Emissions, delay, stops
Natural / Cultural Resources	Minimize impacts requiring mitigation	ROW required, access

Public Comment Summary – Stakeholder Meetings

Municipal Stakeholders

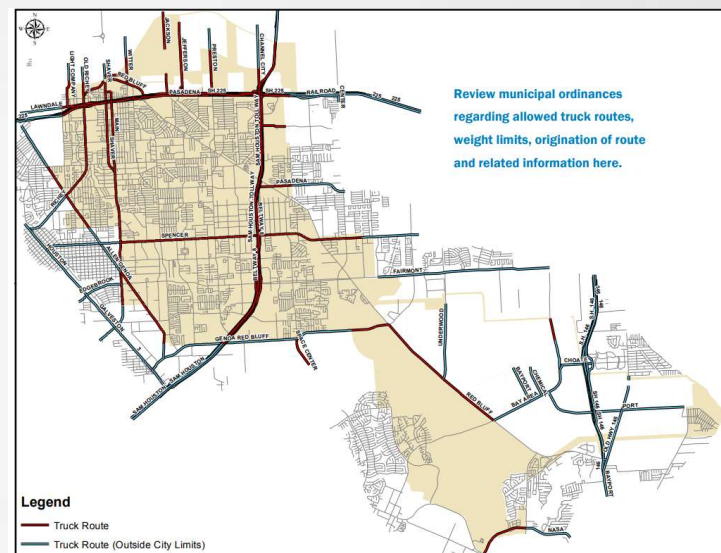
- **Safety**
- **Multimodal**
 - **Sidewalks**
 - **ADA Improvements & Universal Accessibility**
 - **Public ROW for Bicycle / Pedestrians (Bayous, Creeks)**
- **Constructability / Fundability – Ability of Improvements to be Implemented**
- **Connections to METRONext Facilities**



Public Comment Summary – Stakeholder Meetings

Public Safety Stakeholders

- **Intersection Improvements Addressing Congestion**
- **Priority Intersections**
- **Manage Truck Traffic/Routes**
- **Hazardous Material Transport**
- **Oversize Vehicles**
- **At-Grade Rail Crossings**
- **Pedestrian Crossings of Major Streets**



Public Comment Summary – Stakeholder Meetings

School & Residential Stakeholders

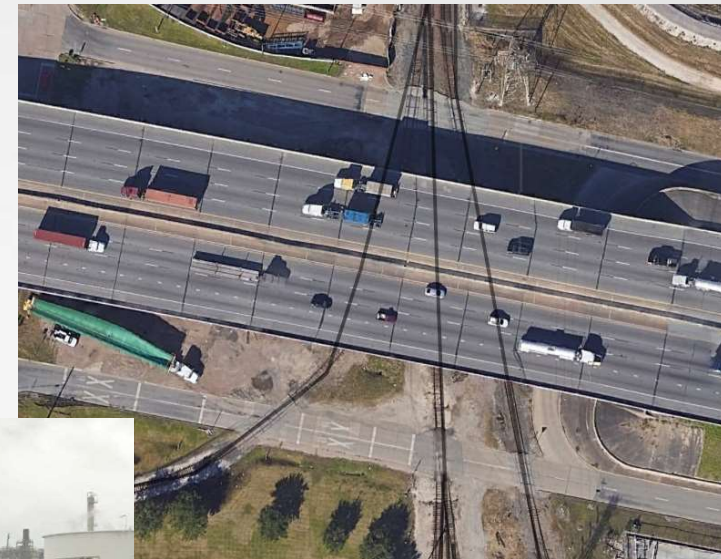
- **Less Delay and Improved Mobility**
- **More Reliable Travel Times**
- **SH 225 Corridor**
- **BW 8/SH 225**
- **Pedestrian Safety**
- **Air Quality**



Public Comment Summary – Stakeholder Meetings

Industrial / Business Stakeholders

- **Safety at At-Grade Rail Crossings**
- **Capacity for Plant Employees**
 - Shift Change
 - Turnarounds
- **Access to Manchester Neighborhood**

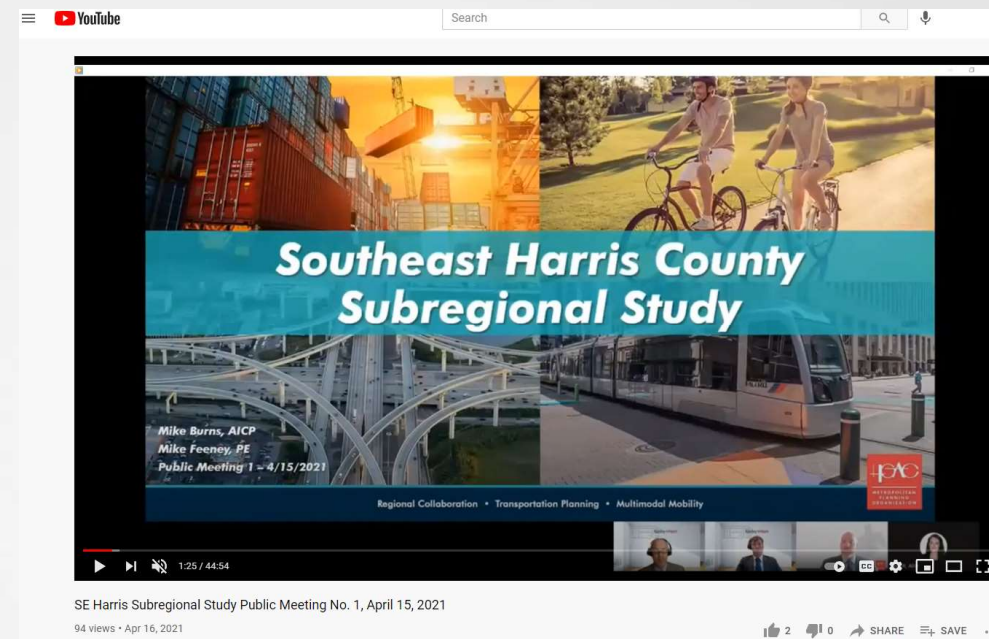


Public Comment Summary – Public Meeting



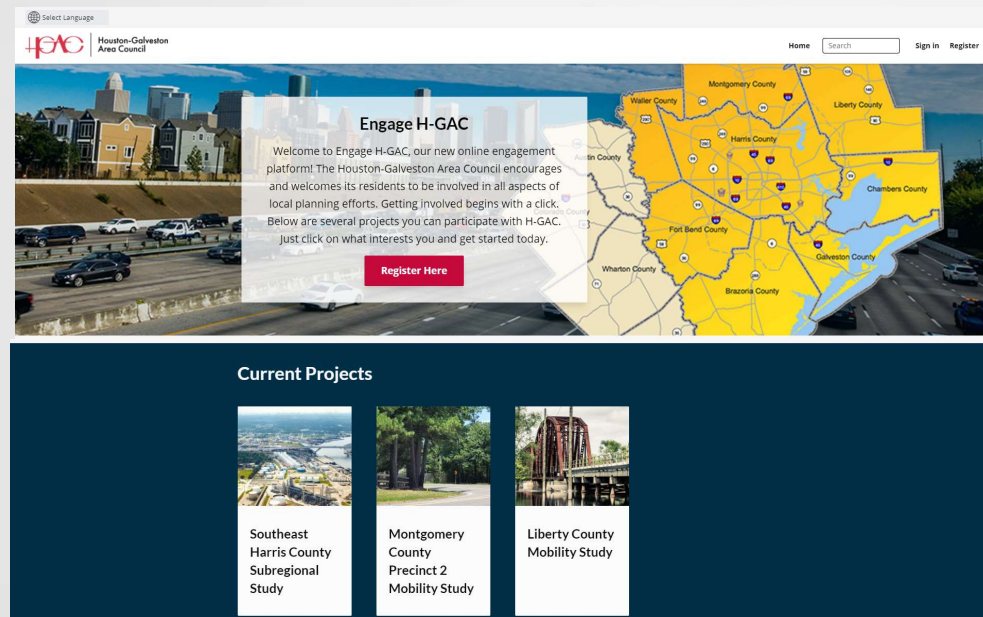
Key Takeaways

- **Congestion**
 - **Intersection Delay**
 - **Access to Freeways and Frontage Roads**
 - **BW 8**
 - **SH 225**
- **Mobility**
 - **Multi-Modal, Primarily Pedestrian**
 - **Intersection Delays**
 - **Pavement Condition**
- **Public Transportation**
 - **City of Pasadena**
 - **San Jacinto College**
 - **How to Fund?**
- **Implementation strategy**
 - **How can we ensure recommendations get built?**
 - **What is the timeframe for improvements?**

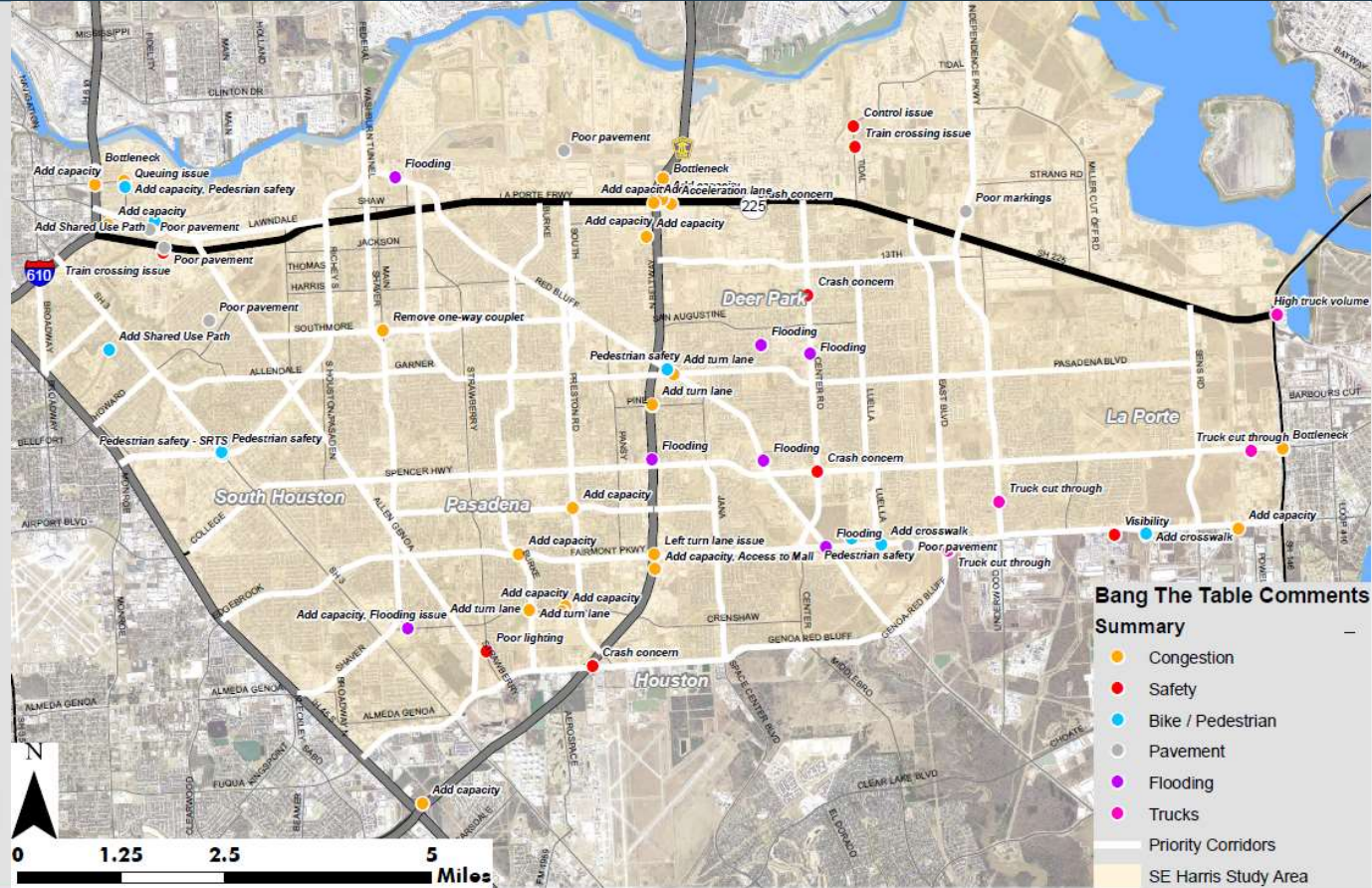


Public Comment Summary – Engage.H-GAC.com

- Participation: 291 visits, 21 registered
- Public Survey: 50 visits, 20 completed
- Commenting Map: 43 visits, 12 contributors, 64 “pins”



Public Comment Summary Engage.H-GAC.com – Map Tool

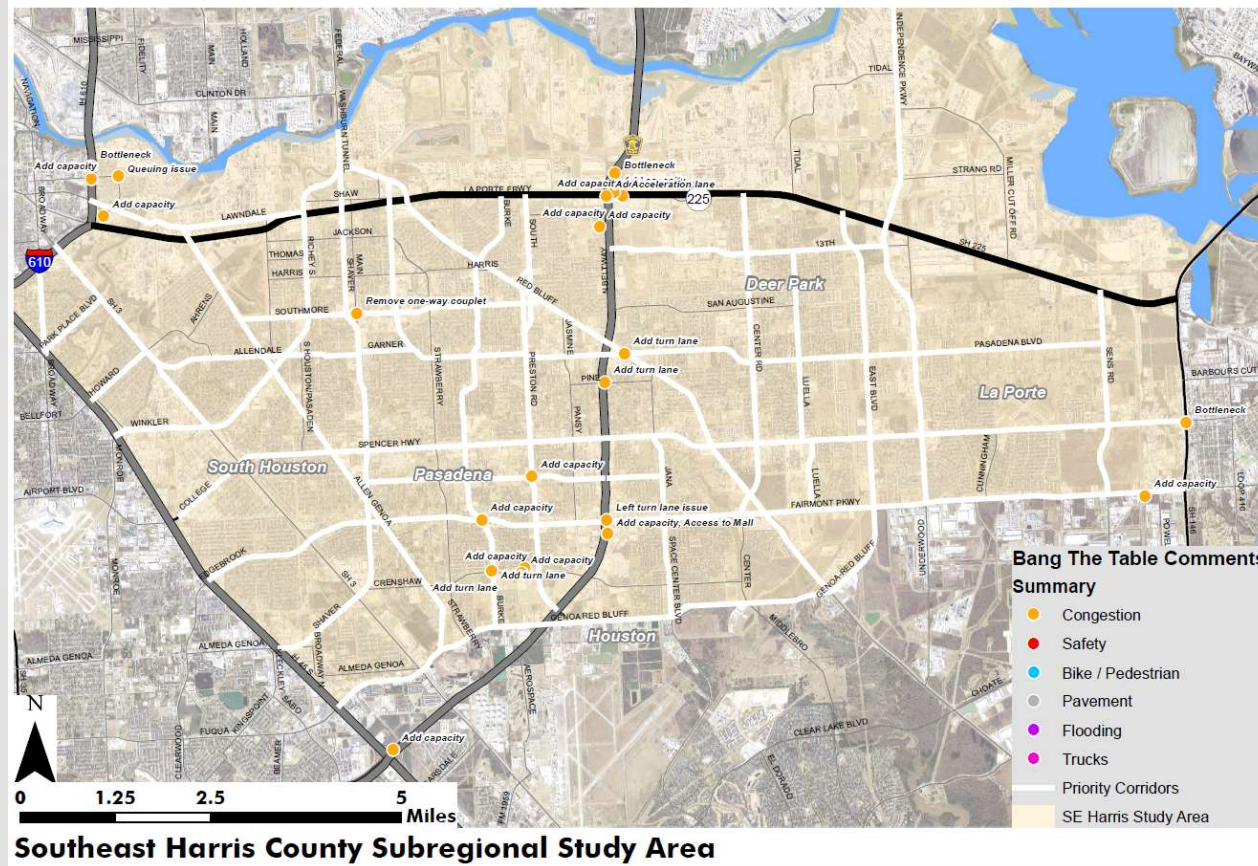


Regional Collaboration • Transportation Planning • Multimodal Mobility



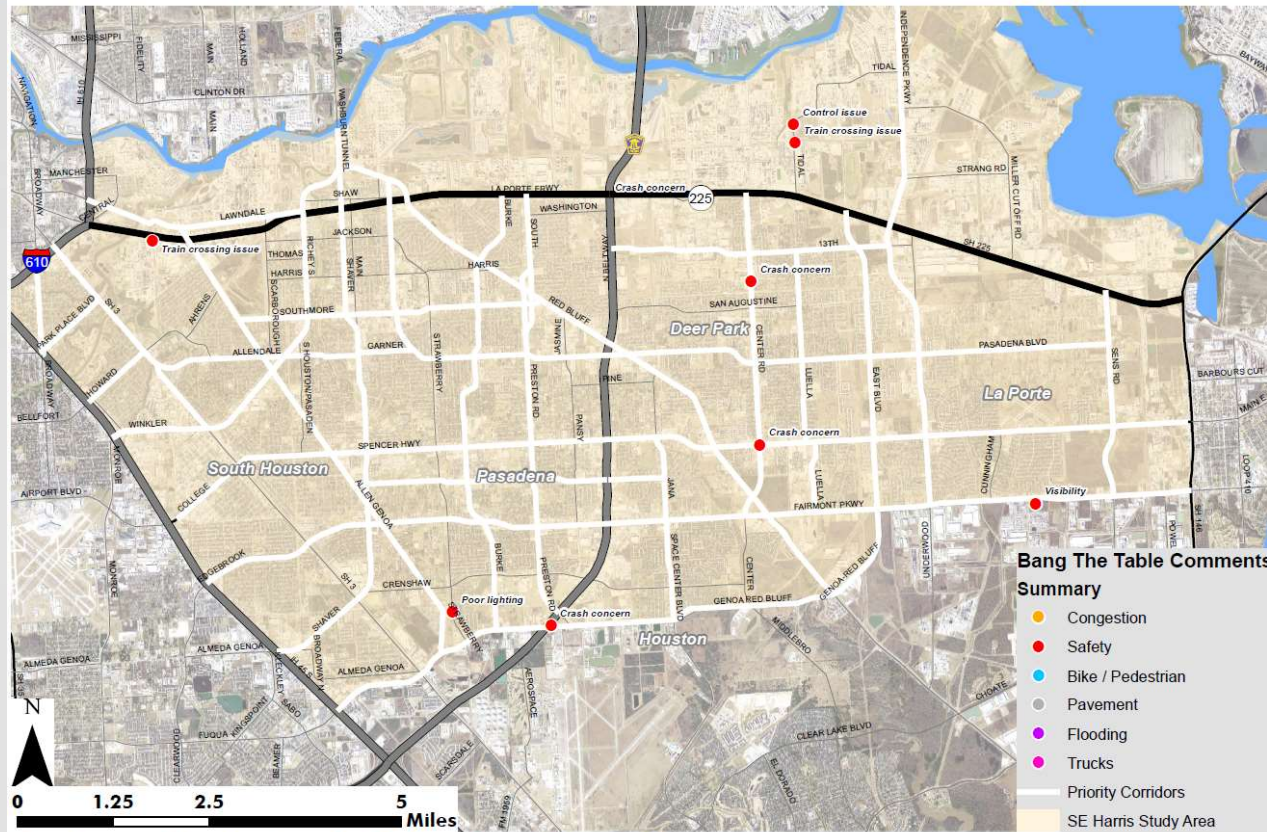
Public Comment Summary

Engage.H-GAC.com – Map Tool



Regional Collaboration • Transportation Planning • Multimodal Mobility

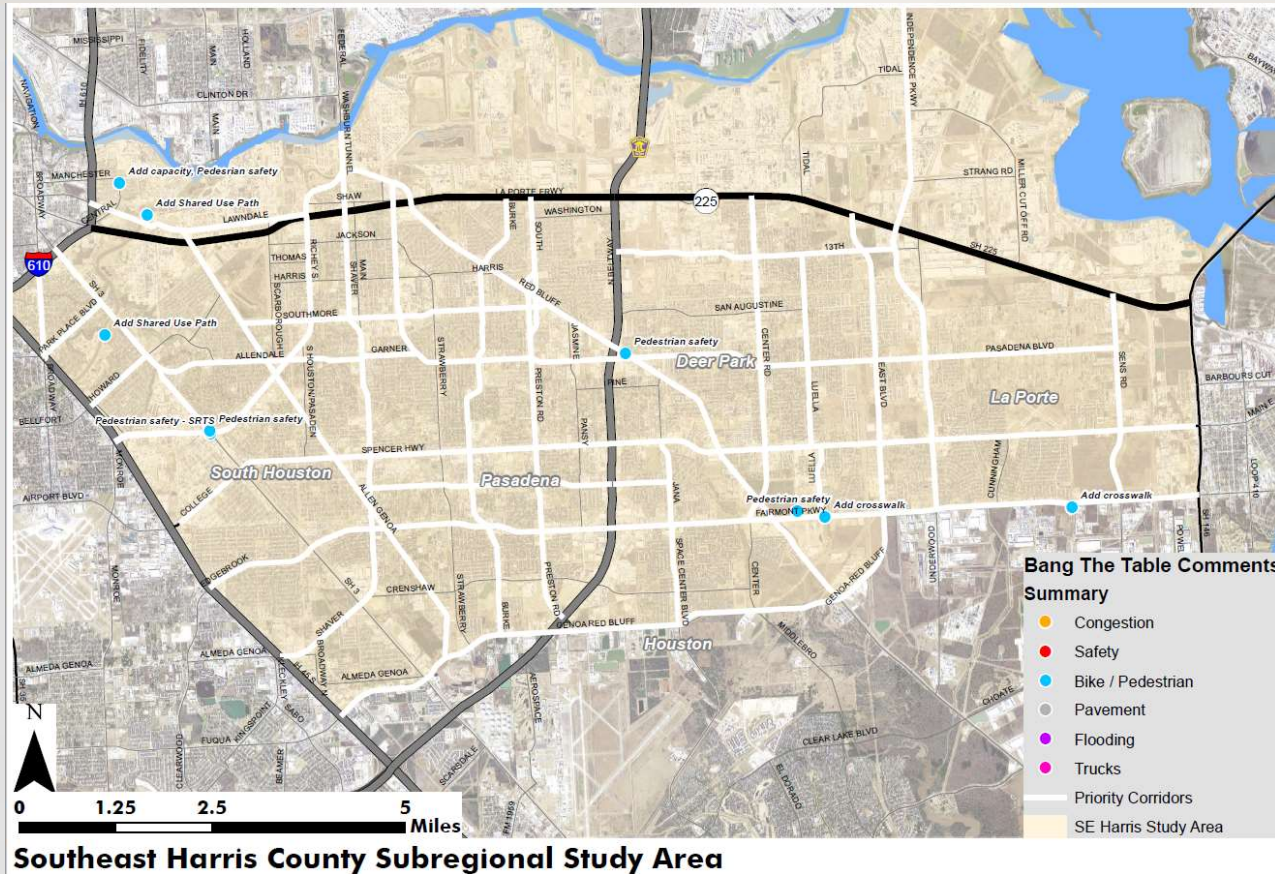
Public Comment Summary Engage.H-GAC.com – Map Tool



Southeast Harris County Subregional Study Area

Public Comment Summary

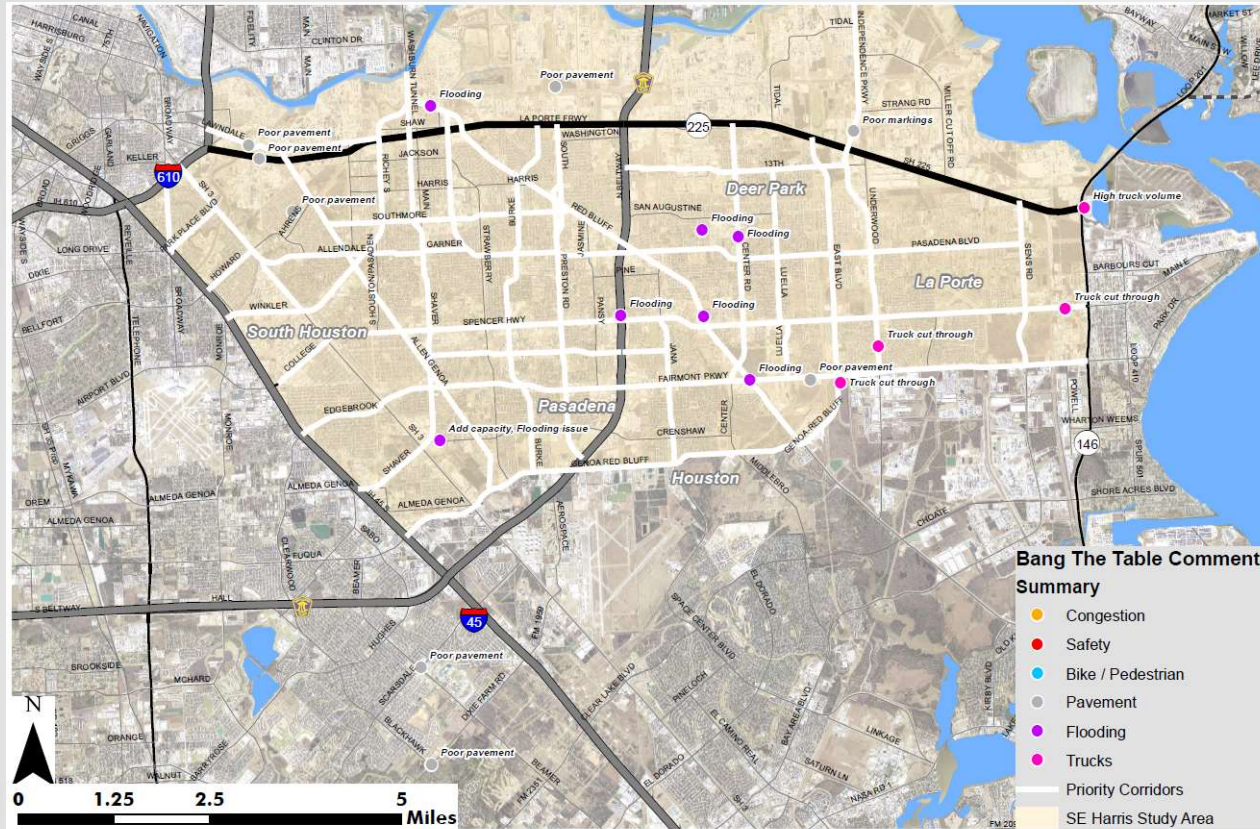
Engage.H-GAC.com – Map Tool



Regional Collaboration • Transportation Planning • Multimodal Mobility



Public Comment Summary Engage.H-GAC.com – Map Tool



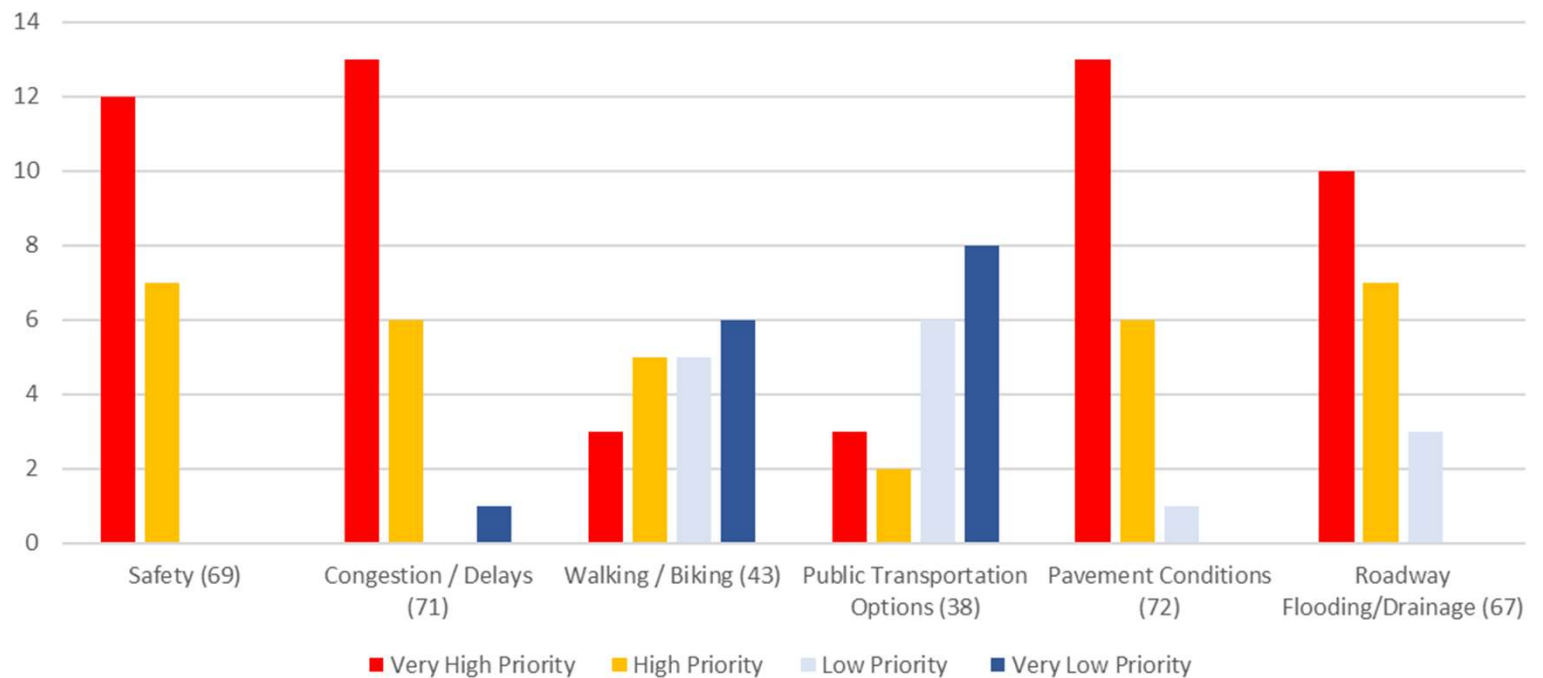
Southeast Harris County Subregional Study Area

Public Comment Summary

Engage.H-GAC.com – Public Survey



Prioritize your issues traveling through and around the study area

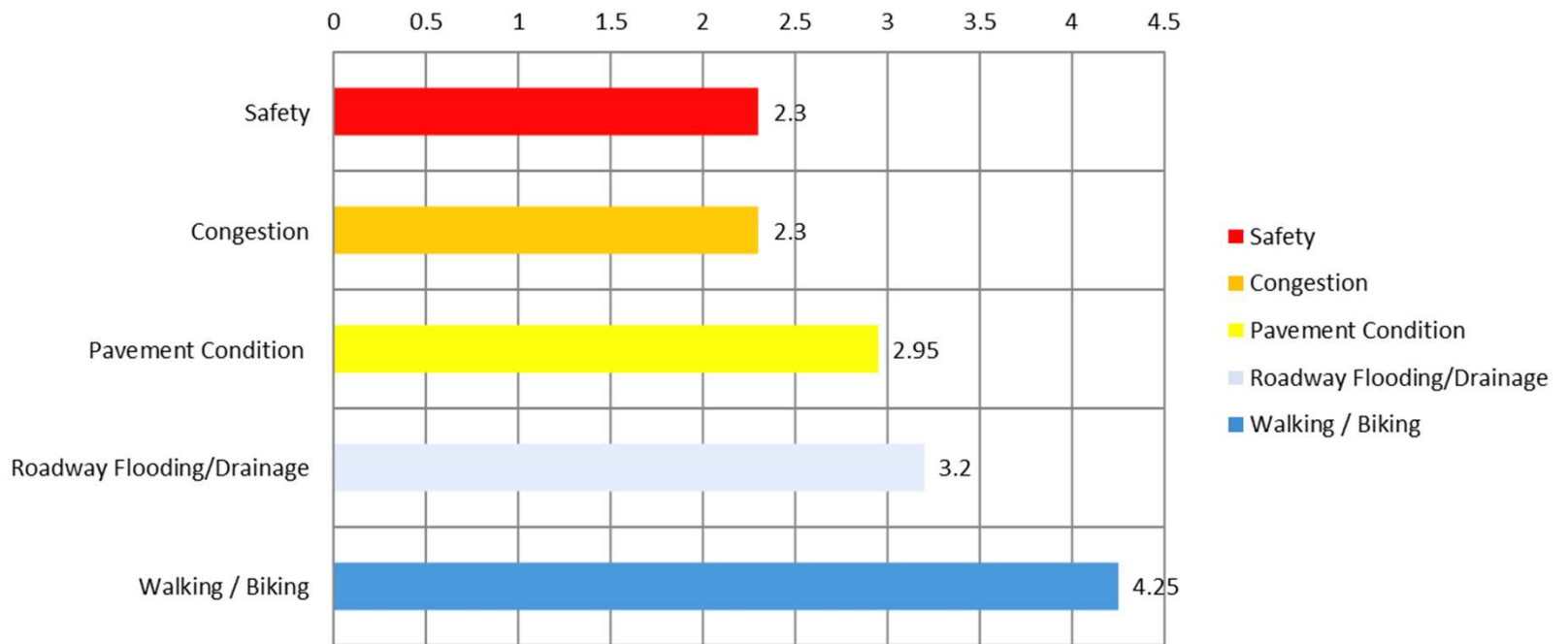


Public Comment Summary

Engage.H-GAC.com – Public Survey



Rank your issues traveling through and around the study area



Public Comment Summary

Engage.H-GAC.com – Public Survey



How would you describe traffic problems in the study area

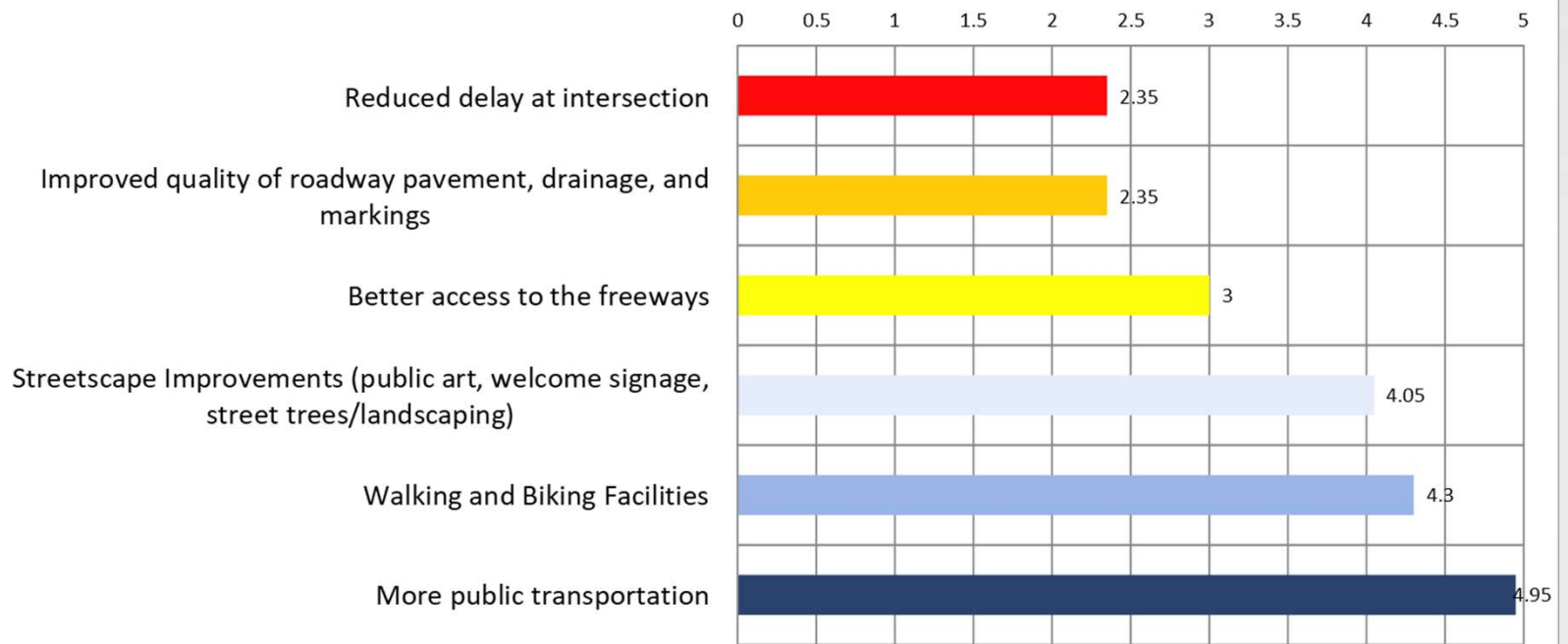


Public Comment Summary

Engage.H-GAC.com – Public Survey



Rank the types of improvements you like in the study area

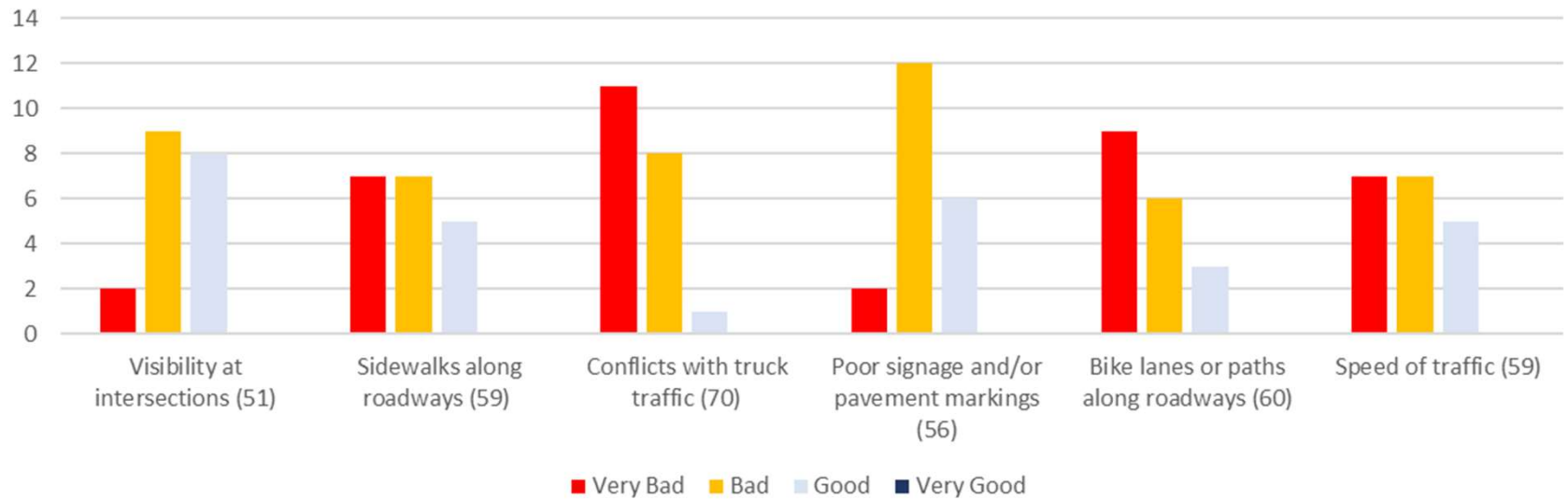


Public Comment Summary

Engage.H-GAC.com – Public Survey



How would you describe safety conditions in the study area



Public Comment Summary – Engage.H-GAC.com – Public Survey

Are there any other issues traveling through and around the study area?

Fairmont and Beltway area is the worst. Congestion is terrible

Mass Transit

Container trucks and irresponsible drivers of said trucks

More capacity, better connectivity to Barbours Cut Blvd

Impact of heavy industry on our roadways that do greater damage than autos without just compensation for the excess damages, Port expansion, and growth of PetroChem industry.

Speeding

Congestion is the key one

Intersection at 225 feeder and BW 8 merging onto the beltway bridge northbound.

N. South street needs repair.

Public Comment Summary – Engage.H-GAC.com – Public Survey

Do you have any other comments regarding the study area?

More capacity, better connectivity to Barbours Cut Blvd

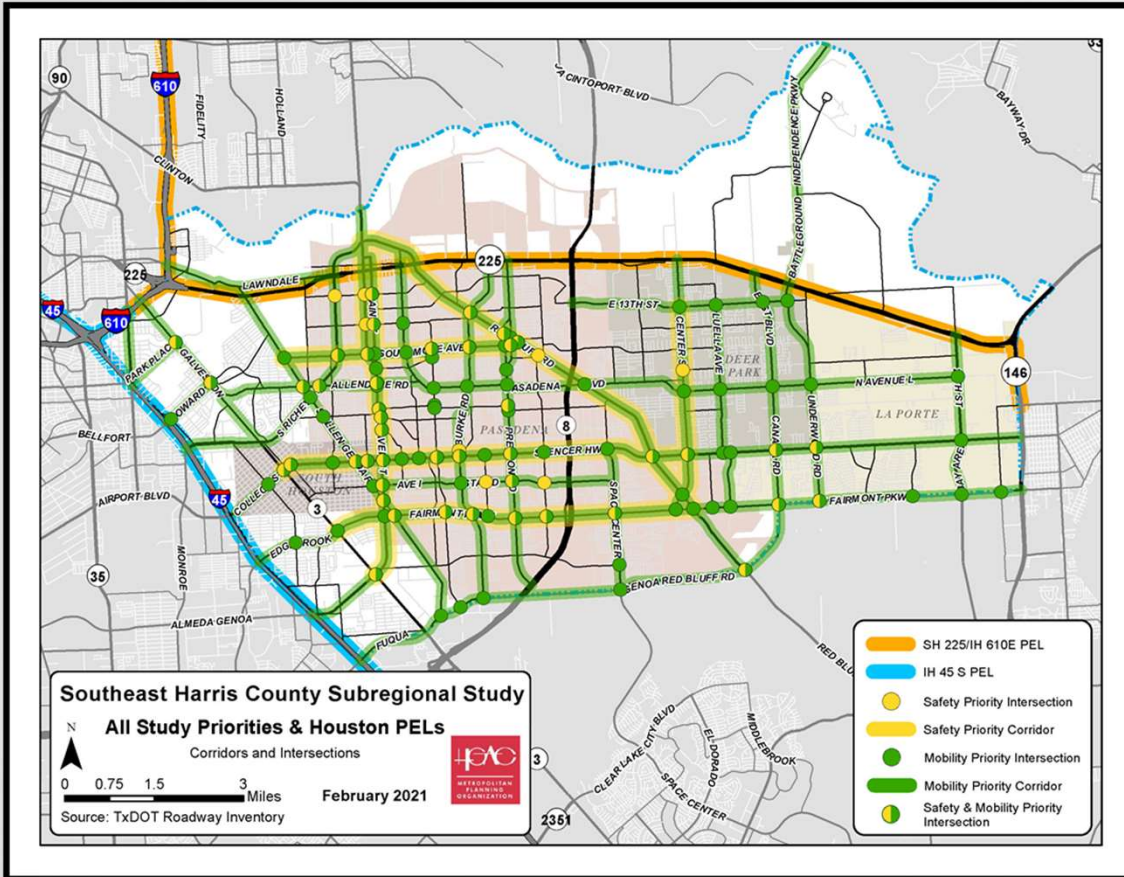
What impacts to the region will the coastal barrier have? Can we handle the port TEU volumes in excess of 3 million per year?

Entering the northbound ramp of Beltway 8 at the 225 Feeder Road has consistently long wait times, especially if approaching from the West. It seems to stem from slowdowns on the bridge, which back down to the ramp entrance. Additional lanes at this entrance could help so that cars entering the beltway do not immediately have to merge into traffic.

It's important to prioritize safety for all road users over congestion. Delay reduction is not worth more than eliminating traffic deaths.

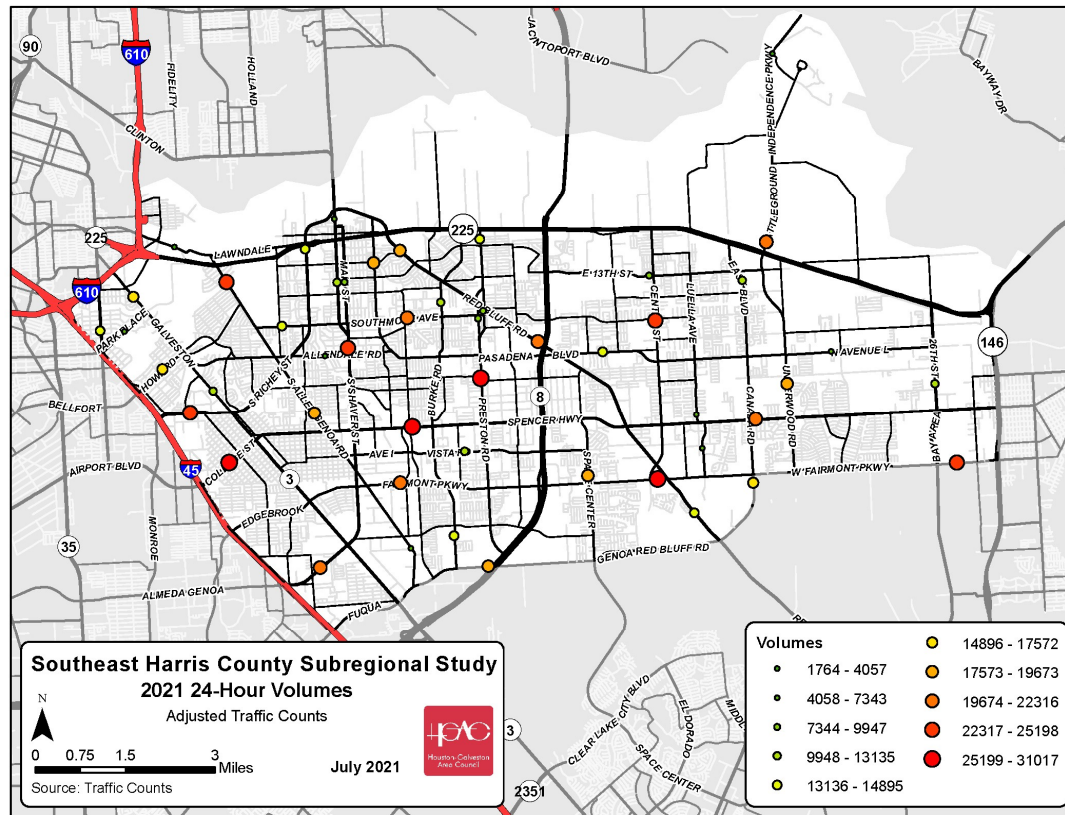
Limitations on opportunities for growth and revitalization in Old Downtown Pasadena imposed by the City of Pasadena's ordinances and permitting process.

Traffic Count Locations

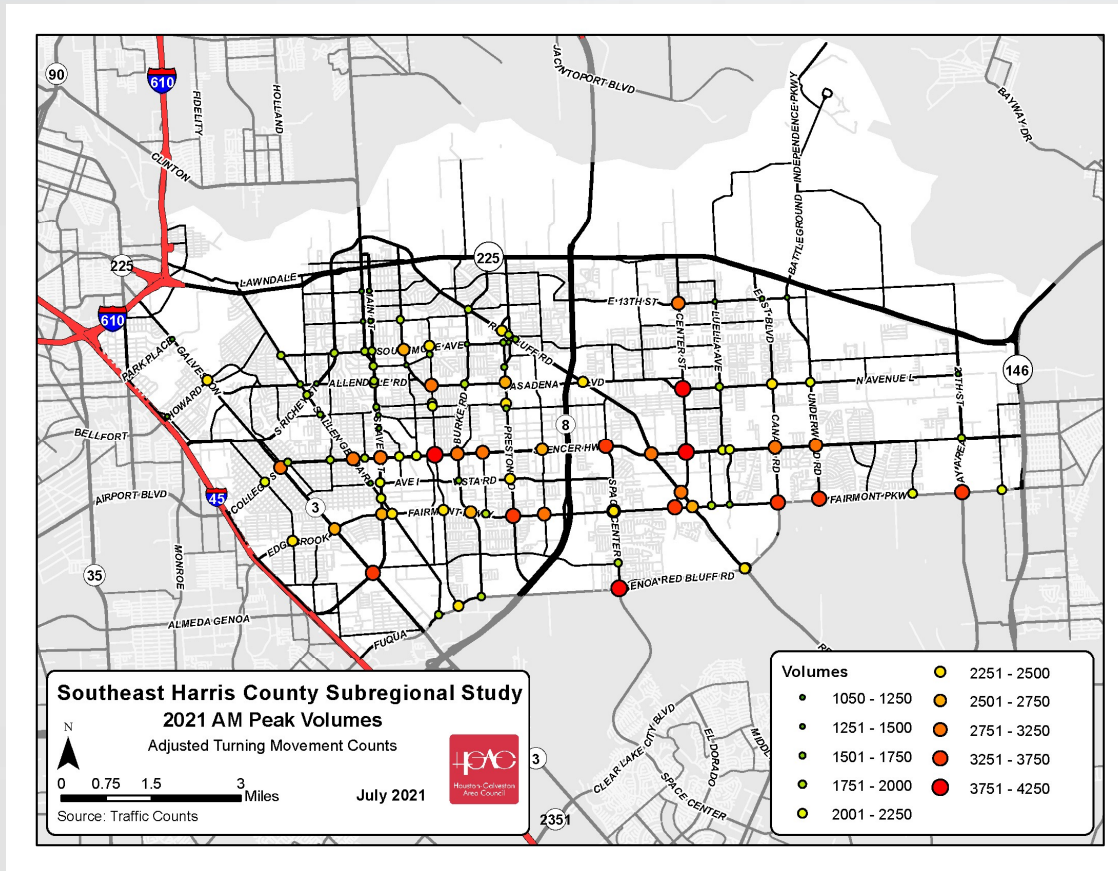


- 107 TMCs
- 50+ 24-Hour Counts
- Classification Counts
- Some Adjustments
 - Compare Trend Line to Current Count
 - Adjustments by Section
- Compare to TxDOT Counts

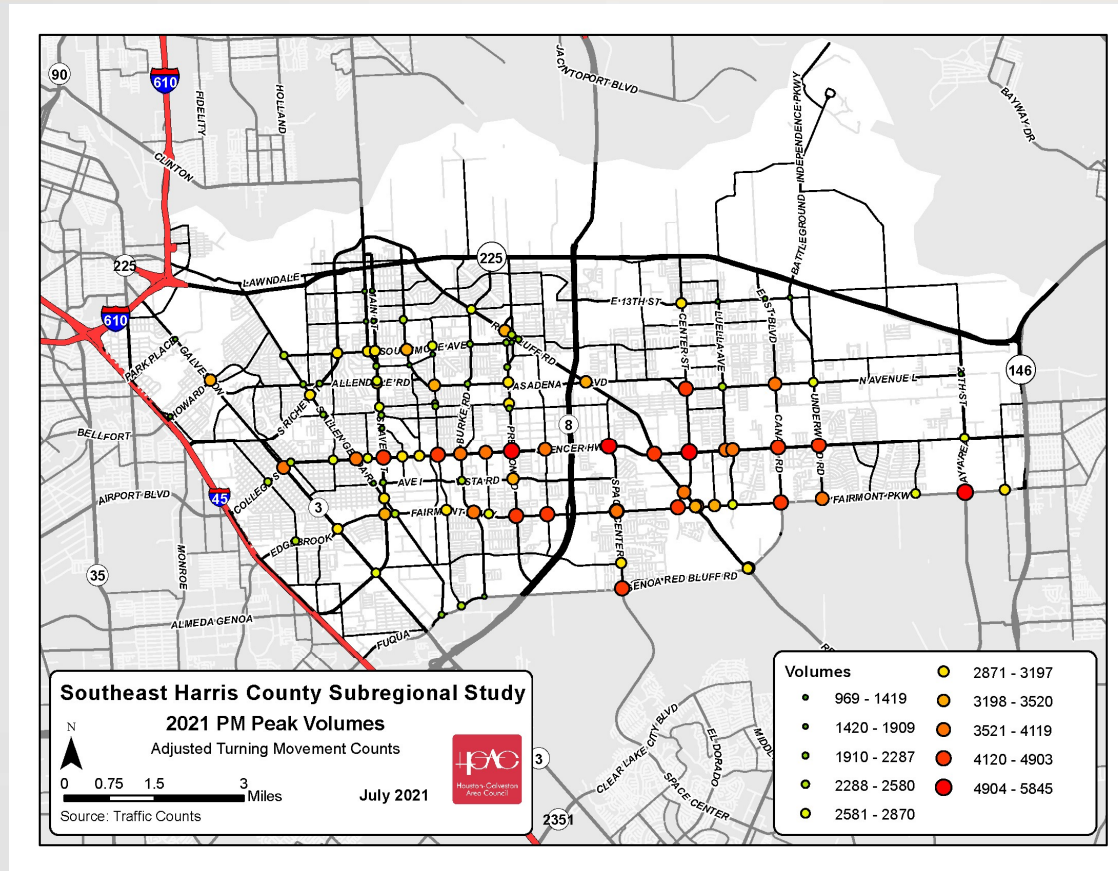
Traffic Count Locations – 24 Hour Volumes



Traffic Count Locations – AM Peak Hour

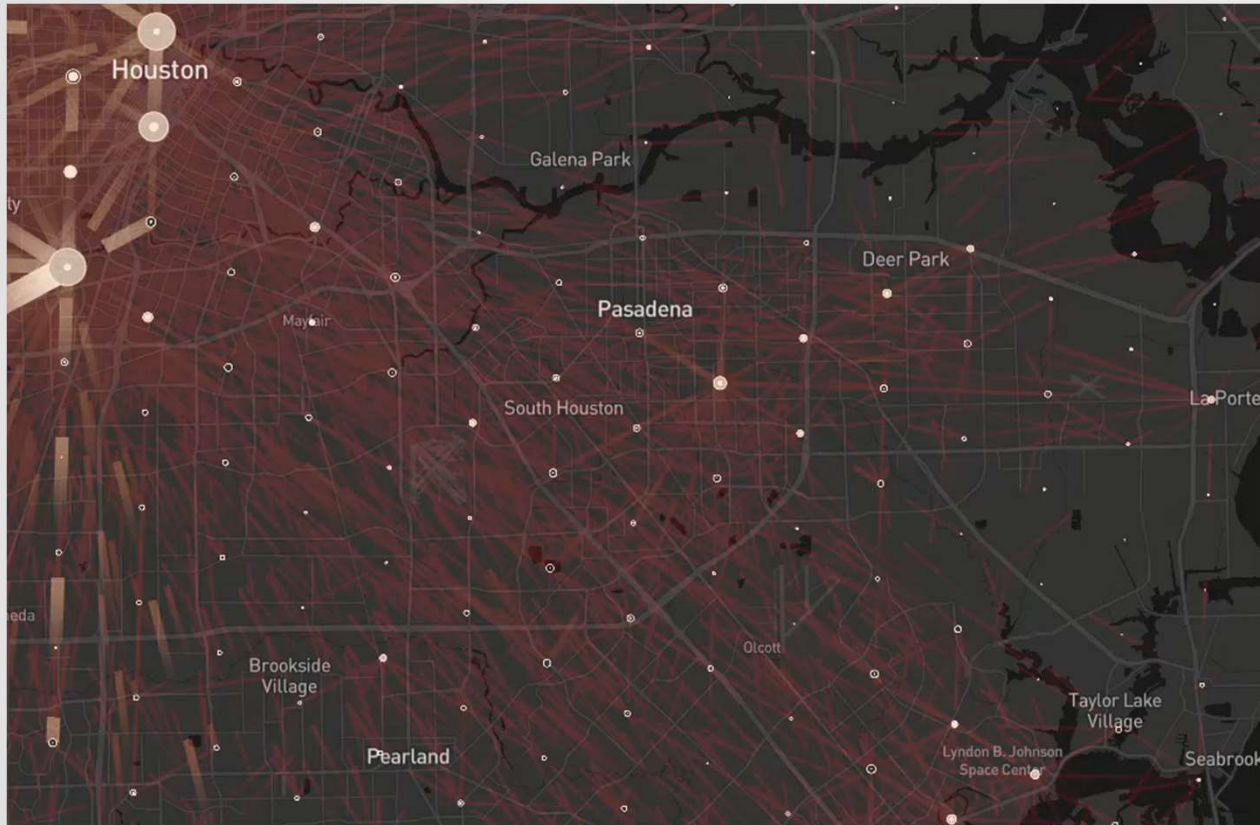


Traffic Count Locations – PM Peak Hour

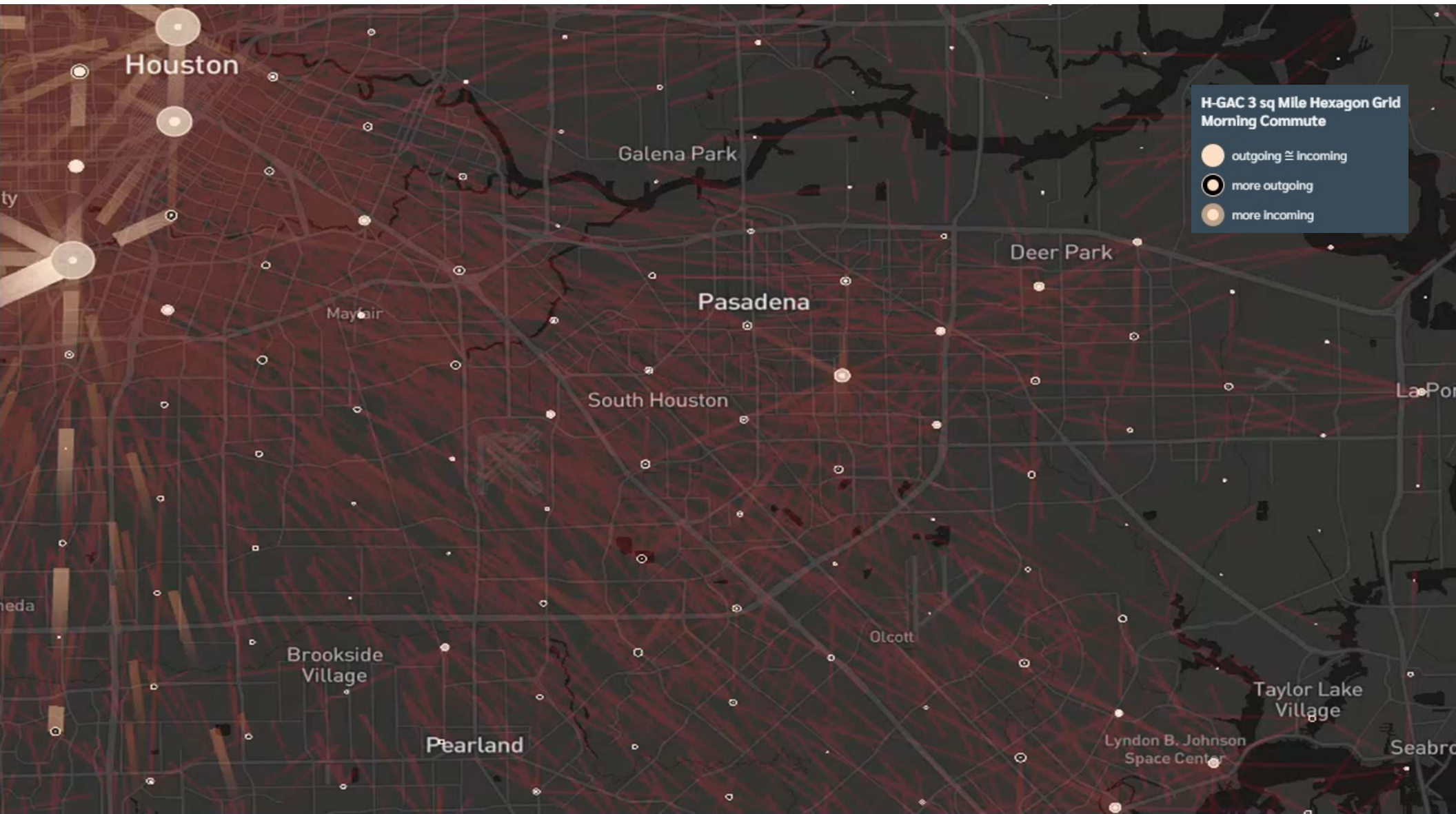


Public Comment Summary

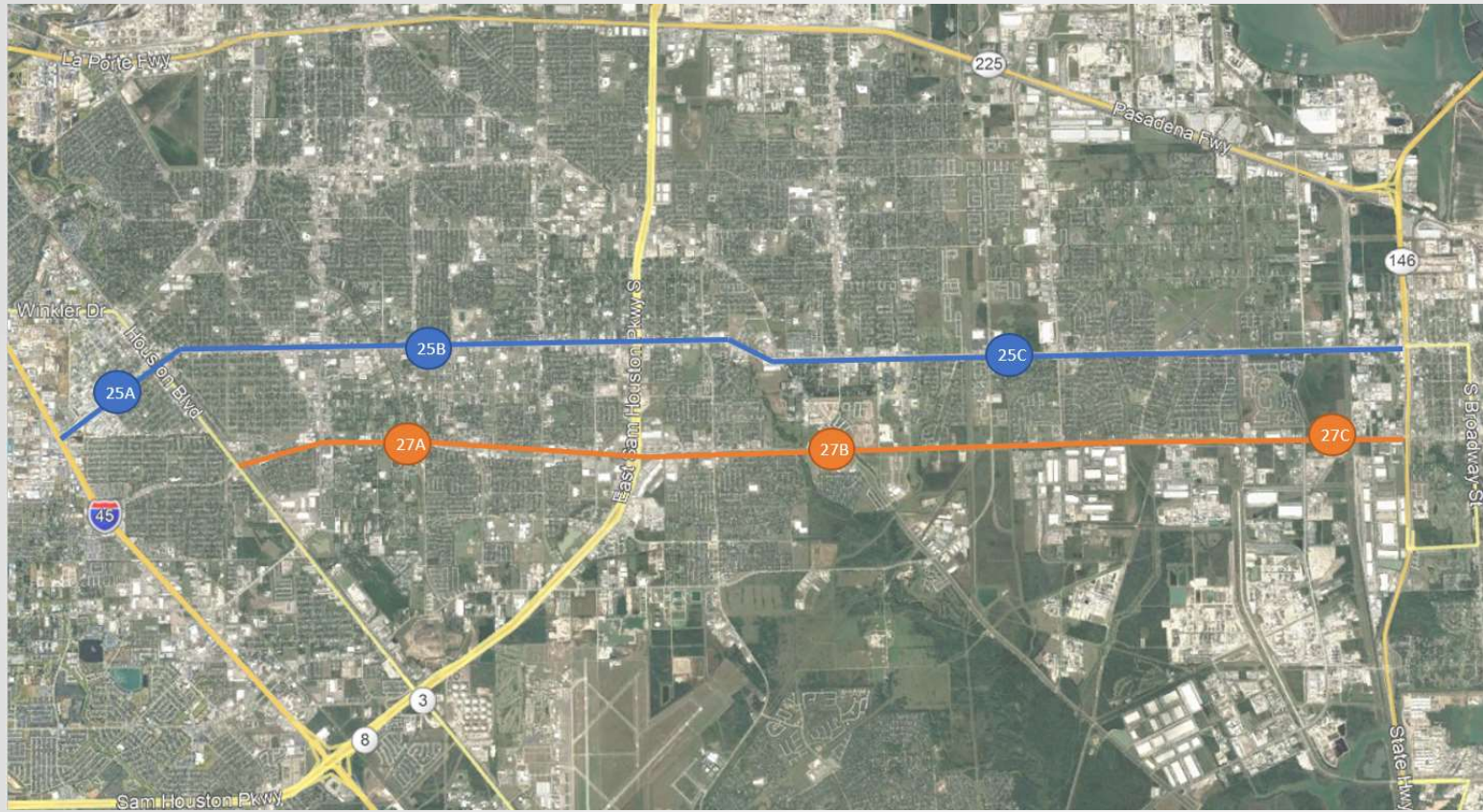
Engage.H-GAC.com – Public Survey



Regional Collaboration • Transportation Planning • Multimodal Mobility

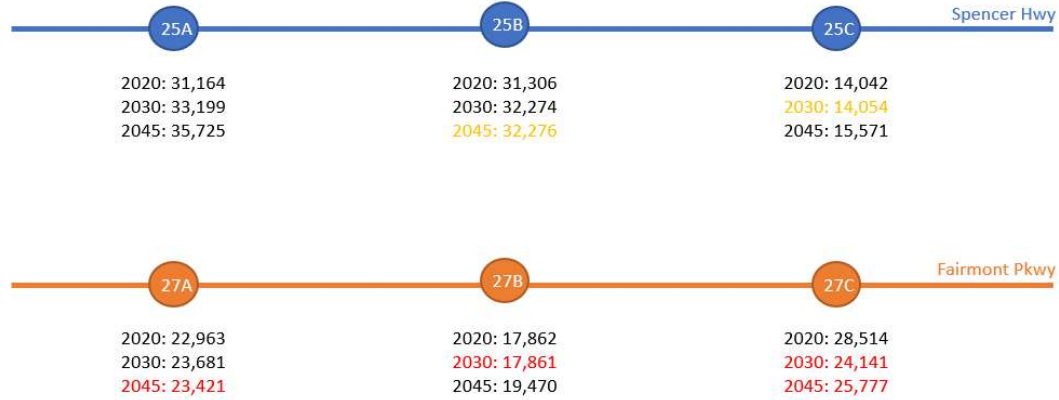


Projected Traffic Volumes



Regional Collaboration • Transportation Planning • Multimodal Mobility

Projected Traffic Volumes

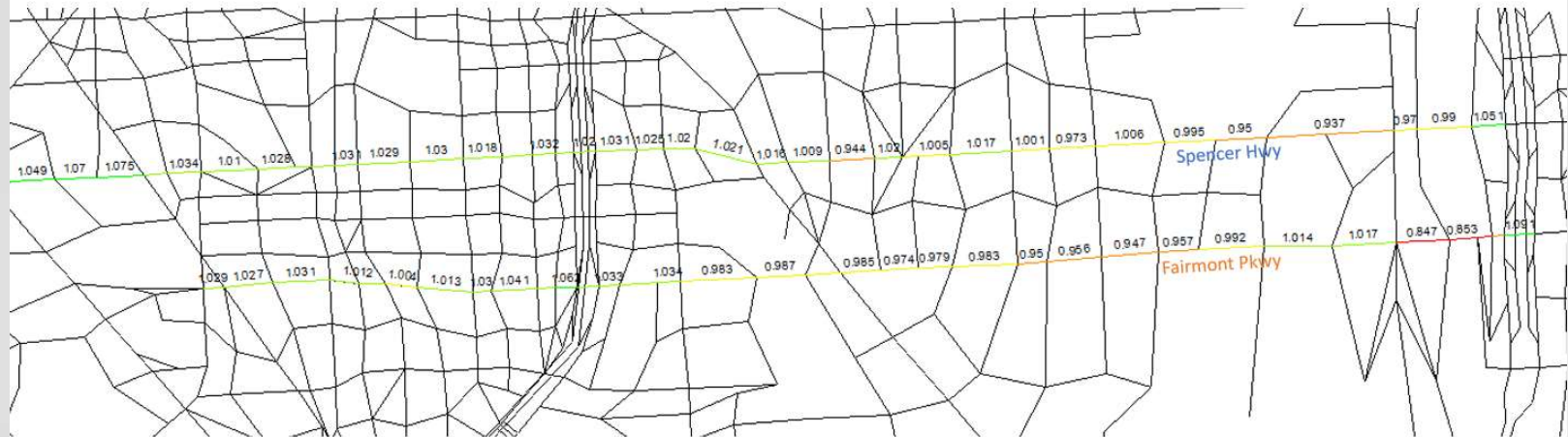


24-Hour Count Location	TDM Segment ID	Projected 2020 24-Hour Volume	Projected 2030 24-Hour Volume	2020-2030 Growth Factor	Projected 2045 24-Hour Volume	2020-2045 Growth Factor
25A	20529-25854	31,164	33,199	1.07	35,725	1.15
25B	20617-34125	31,306	32,274	1.03	32,276	1.03
25C	20766-39464	14,042	14,054	1.00	15,571	1.11
27A	20622-20624	22,963	23,681	1.03	23,421	1.02
27B	20734-22574	17,862	17,861	<1.00	19,470	1.09
27C	20813-39472	28,514	24,141	0.85	25,777	0.90
OVERALL		1,514,204	1,568,692	1.04	1,602,178	1.06

Projected Traffic Volumes



2030 Volume
2020 Volume



	OVERALL	AVERAGE
Growth Factor	1.04	1.06
Annual Growth Rate	0.35%	0.51%

Projected Traffic Volumes



2045 Volume
2020 Volume

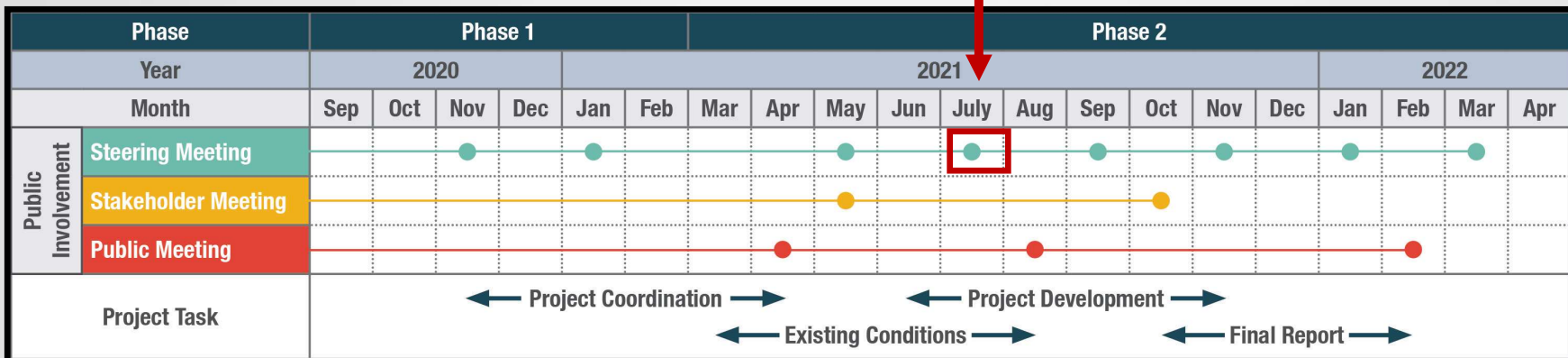


	OVERALL	AVERAGE
Growth Factor	1.06	1.08
Annual Growth Rate	0.23%	0.28%

Steering Committee Comments

Representing	Name	Title
Port Houston	Bruce Mann	Director, Freight Mobility
Harris County	Bryan Brown	Senior Planner - Engineering Dept
Economic Alliance Houston Port Region	Chad Burke	President and CEO
City of Houston Public Works	Donald Buaku	Principal Planner
TXDOT	Jeffrey English	TxDOT
Gulf Coast Rail District	Katherine Parker	Executive Director
Harris County Transit	Ken Fickes	Director - Transit Services
Harris County Precinct 2	Milton Rahman	Director of Engineering
La Porte Police Dept	Sgt Bennie Boles	Police Sergeant
La Porte	Teresa Vazquez-Evans	Planning & Development Director
City of South Houston	Arthur Olivera	Street and Bridge
Deer Park	Adam Ballesteros	City Engineer
Pasadena	Sarah Benavides	Senior Assistant Director, Public Works
Harris County	Loyd Smith	ALTERNATE - Harris County
City of Houston Planning	Sharon Moses-Burnside	ALTERNATE - City of Houston

Schedule



Next Steps



- Adjust Existing Counts (Done)
- Finalize Future Year Volume Forecasts (2030 & 2045)
- Draft Improvements
 - Safety
 - Corridor Cross Sections
 - Congestion Mitigation / Intersections
 - Active & Public Transportation
 - Freight / Rail
 - Policy
- Steering Committee Review
- Revised Draft Improvements
- Round Two Stakeholder and Public Meetings
- Steering Committee Review
- Draft Final Improvements
- Steering Committee Review
- Final Improvements
- Draft Report
- Steering Committee Review
- Final Report

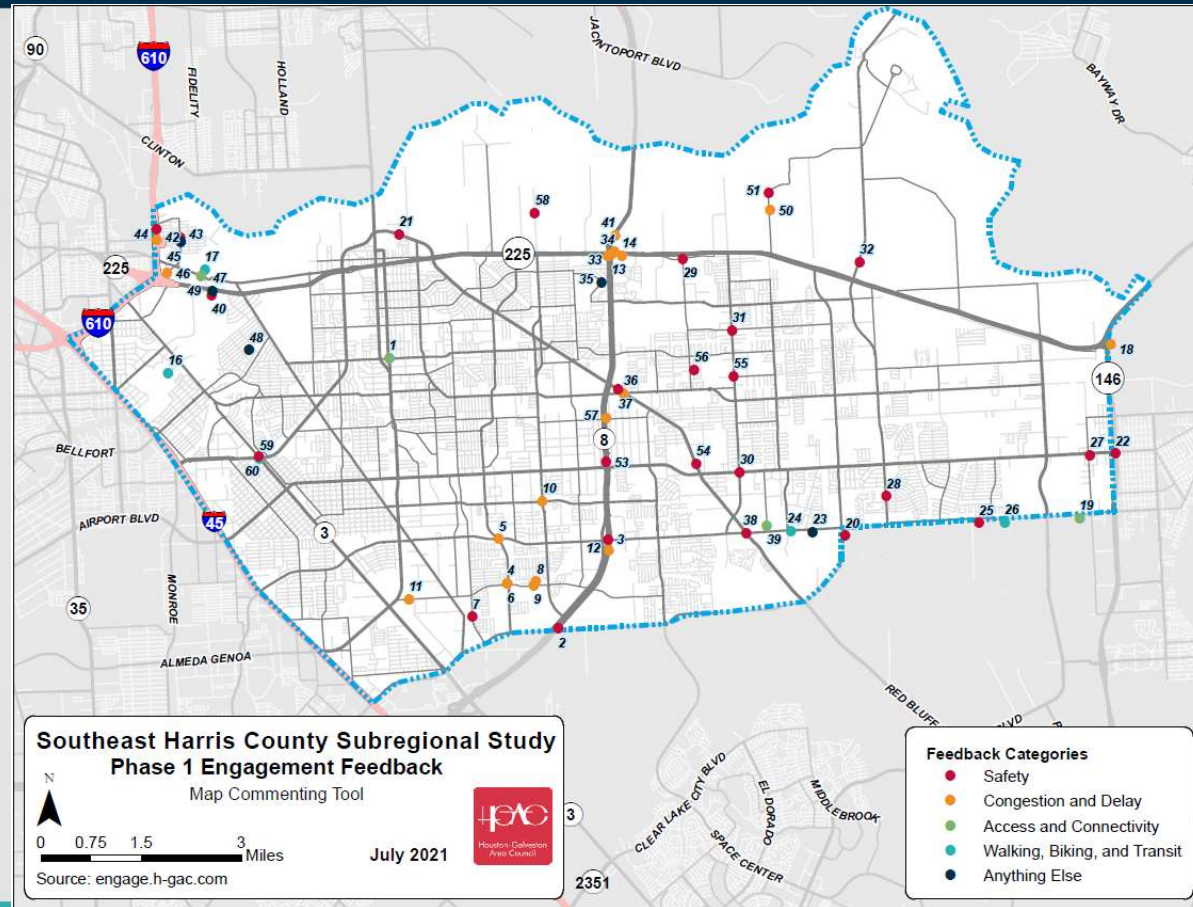
Thank You!

For More Information:

- www.h-gac.com/go/seharris
- Mike Burns, AICP
 - Mike.Burns@h-gac.com
- Allie Isbell, AICP
 - Allie.Isbell@h-gac.com



Public Comment Summary – Engage.H-GAC.com – Public Survey



Regional Collaboration • Transportation Planning • Multimodal Mobility

